

1493 Rec'd PCT/JP 3 U JAN 2000

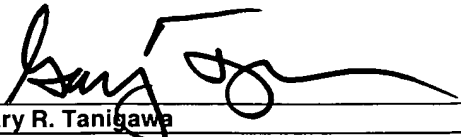
FORM 10-1390 MODIFIED	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER 159-89
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) 10/539,834
INTERNATIONAL APPLICATION NO. PCT/JP03/17030	INTERNATIONAL FILING DATE December 26, 2003	PRIORITY DATE CLAIMED 27 December 2002

TITLE OF INVENTION  
**GLYCOSYLTRANSFERASE, NUCLEIC ACID ENCODING THE GLYCOSYLTRANSFERASE AND METHOD OF TESTING  
CANCERATION USING THE NUCLEIC ACID**

APPLICANT(S) FOR DO/EO/US  
**NARIMATSU et al.**

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☐ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☒ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The U.S. has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is attached hereto (      pages specification, claims & abstract (      claims),      sheets drawings).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
  - d. ☒ **An English language translation of the International Application as filed (35 U.S.C. 371(c)(3))**
    - a. ☒ **is attached hereto (99 pages specification, claims & abstract (23 claims), 4 sheets drawings, 1 page Certificate of Translation).**
    - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
6. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has **NOT** expired.
  - d. ☐ have not been made and will not be made.
7. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
8. ☒ **An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).**
  - a. ☐ Declaration was submitted to the International Bureau during International Phase (see copies of Declaration (      page Form PCT/RO/101 and Form PCT/IB/371 and first page of printed publication acknowledging receipt thereof attached).
9. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).
10. **Items 11 To 20 below concern document(s) or information included:**
  11. ☐ An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.
  12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.
  13.
    - a. ☐ A FIRST preliminary amendment.
    - b. ☐ A SECOND or SUBSEQUENT preliminary amendment.
  14. ☐ An Application Data Sheet under 37 C.F.R. § 1.76.
  15. ☐ A substitute specification.
  16. ☐ A change of power of attorney and/or address letter.
  17. ☒ **Paper and computer-readable forms of the Sequence Listing according to PCT Rule 13ter.2 and 37 CFR 1.821-1.825.**
  18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
  19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
  20. ☒ Other items or information. **RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS**

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) <b>10/539,834</b>		INTERNATIONAL APPLICATION NO. <b>PCT/JP03/17030</b>		ATTORNEY'S DOCKET NUMBER <b>159-89</b>	
<input checked="" type="checkbox"/> The following fees are submitted:					
<b>BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5):</b>					
21. <input type="checkbox"/>	Basic national fee .....			\$300.00 (1631)/\$150.00 (2631)	\$
22. <input type="checkbox"/>	Examination Fee .....			\$0 (1643/2643)	
				\$200.00 (1633)/\$100.00 (2633)	\$
23. <input type="checkbox"/>	Search Fee .....			\$0 (1640/2640)	
				\$100 (1641)/\$50 (2641)	
				\$400 (1642)/\$200 (2642)	
				\$500.00 (1632)/\$250.00 (2632)	\$
<b>TOTAL OF ABOVE CALCULATIONS</b>					\$ 0.00
<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)		RATE	
103 -100	3 /50 =	0.06		\$250.00 (1681)	\$ 250.00
				\$125.00 (2681)	
Surcharge of \$130.00 (1617)/\$65.00 (2617) for furnishing the oath or declaration later than <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e)).					\$
CLAIMS	NUMBER FILED	# EXTRA	RATE		
Total Claims	23 minus 23 =	0 X	\$50.00 (1615)/	\$25.00 (2615)	\$
Independent Claims	1 minus 3 =	0 X	\$200.00 (1614)	\$100.00 (2614)	\$
MULTIPLE DEPENDENT CLAIMS(S) (if applicable)			\$360.00 (1616)/\$180.00 (2616)		\$ 0.00
Petition is hereby made to extend the current due date so as to cover the filing date of this paper and attachment(s): One Month Extension \$120.00 (1251)/\$60.00 (2251); Two Month Extensions \$450.00 (1252)/\$225.00 (2252); Three Month Extensions \$1020.00 (1253)/\$510.00 (2253); Four Month Extensions \$1590.00 (1254)/\$795.00 (2254)					\$ 0.00
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.					
Processing fee of \$130.00 (1618), for furnishing the English Translation later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(f)).					0.00
<b>TOTAL NATIONAL FEE =</b>					\$ 250.00
Fee for recording the enclosed assignment (37 C.F.R. 1.21(h). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 (8021) per property					\$ 0.00
A previous payment of \$150 is applied to the fees indicated above (see attached Notification of 01/12/06).					\$ (150.00)
<b>TOTAL FEES ENCLOSED =</b>					\$ 100.00
U.S. Application No.10/539,834; Atty Docket No.159-89					
a. <input checked="" type="checkbox"/> A check in the amount of \$100.00 to cover the above fees is enclosed.					
b. <input type="checkbox"/> Please charge my Deposit Account No. 14-1140 in the amount of \$_____ to cover the above fees. A duplicate copy of this form is enclosed.					
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1140. A duplicate copy of this form is enclosed.					
d. <input type="checkbox"/> CREDIT CARD PAYMENT FORM ATTACHED					
e. <input checked="" type="checkbox"/> The entire content of International Application No. PCT/JP03/17030 and any U.S. and foreign application(s) corresponding thereto, and _____, referred to in this application is/are hereby incorporated by reference in this application.					
<b>CORRESPONDENCE ADDRESS</b>			05/02/2006 SVIGIL 00000001 141140 10539834		
Direct all correspondence to:			01 FC:1681 150.00 DA 100.00 DP		
<input checked="" type="checkbox"/> Customer Number:			23117		
			Type Customer Number here		
02/01/2006 NKAYPAH 00000067 141140 10539834			Telephone: (703) 816-4000		
01 FC:1681 150.00 DA 100.00 DP			GRT:ap		
			 <b>Gary R. Tanigawa</b> NAME		
			43,180 January 30, 2006		
			REGISTRATION NUMBER Date		

VERIFICATION OF A TRANSLATION

I, the below named Translator, hereby declare that;

I am the translator of the Japanese specification of  
U.S. Patent Application under Title of the Invention  
" GLYCOSYLTRANSFERASE, NUCLEIC ACID ENCODING THE  
GLYCOSYLTRANSFERASE AND METHOD OF TESTING CANCERATION USING  
THE NUCLEIC ACID " filed on the 17th day of June 2005.

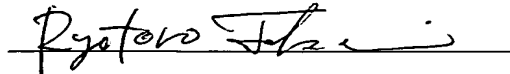
That I believe the attached English translation is a  
true and complete translation of said application as filed.

I hereby declare that all statements made herein of my  
own knowledge are true and that all statements made on  
information and belief are believed to be true; and further  
that these statements were made with the knowledge that  
willful false statements and the like so made are punishable  
by fine or imprisonment, or both, under Section 1001 of Title  
18 of the United States Code and that such willful false  
statements may jeopardize the validity of the application or  
any patent issued thereon.

Dated this 26th day of January 2006.

Full name of the Declarant: Ryotaro TAKEI

Signature of the Declarant:

A handwritten signature in cursive script, appearing to read 'Ryotaro Takei', is written over a horizontal line.

Post Office Address: c/o YUASA AND HARA, Section 206,  
New Ohtemachi Bldg., 2-1, Ohtemachi  
2-chome, Chiyoda-ku, Tokyo, JAPAN

GRT 159-89



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/539,834	Hisashi Narimatsu	159-89

INTERNATIONAL APPLICATION NO.	
PCT/JP03/17030	
I.A. FILING DATE	PRIORITY DATE
12/26/2003	12/27/2002

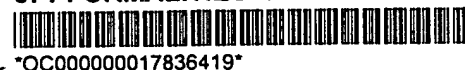
23117  
 NIXON & VANDERHYE, PC  
 901 NORTH GLEBE ROAD, 11TH FLOOR  
 ARLINGTON, VA 22203

DOCKETED

CLT/MATTER # 159-89  
 MAIL DATE 1/13/06  
 FILE DATE Mar 13, 2006  
 FINAL DEADLINE Aug 13, 2006  
 DOCKETED BY TH 1/13/06

CONFIRMATION NO. 5006

371 FORMALITIES LETTER



\*OC000000017836419\*

Date Mailed: 01/13/2006

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 06/17/2005
- Information Disclosure Statements filed on 06/17/2005
- Request for Immediate Examination filed on 06/17/2005
- U.S. Basic National Fees filed on 06/17/2005
- Priority Documents filed on 06/17/2005

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Translation of the application into English. Note a processing fee will be required if submitted later than 30 months from the priority date.
- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.

#### SUMMARY OF FEES DUE:

Total additional fees required for this application is **\$-150** for a Large Entity: ✓

(A previous payment of \$150 will be applied to the additional fees indicated above.) ✓

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions

of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

SHELBY J VIGIL

Telephone: (703) 308-9140 EXT 224

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/539,834	PCT/JP03/17030	159-89

FORM PCT/DO/EO/905 (371 Formalities Notice)